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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/825,907 | 04/04/2001 | Peter Zatloukal | 41003.P036 | 3711 |

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SCHWABE, WILLIAMSON & WYATT, P.C.
PACWEST CENTER, SUITES 1600-1900
1211 SW FIFTH AVENUE
PORTLAND, OR 97204

EXAMINER

ALAM, UZMA

ART UNIT PAPER NUMBER

2157

DATE MAILED: 08/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/825,907

Applicant(s)

ZATLOUKAL ET AL.

Examiner

Uzma Alam

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 April 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This action is responsive to the application filed on April 4, 2001. Claims 1-21 are pending. Claims 1-21 represent a method and apparatus for controlling load on the resources of a server.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6, 10-15, 20 and 21 rejected under 35 U.S.C. 102(b) as being anticipated by Jinzenji et al. US Patent No. 6,032,189. Jinzenji et al. discloses the invention as claimed including calculating a processing delay (see abstract).

As per claims 1, 10 and 21, Jinzenji discloses in a client, a method and apparatus and machine accessible medium having stored therein a plurality of programming instructions for facilitating a client comprising:

attempting to access a shared resource (accessing a server for an application; column 3, lines 5-6; column 6, lines 42-46);

detecting that the shared resource is unavailable (column 7, lines 24-49);

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determining a first back off interval for the client to delay before reattempting to access the shared resource (determining a delay time; column 3, lines 1-16; column 6, lines 58-67; column 7, lines 1-10);

successfully accessing the shared resource upon expiration of the first back off interval (column 3, lines 17-20; column 7, lines 36-41); and

determining a second back off interval for the client to delay before reattempting to access the shared resource after said successful access (column 7, lines 10-23); and

one or more processors coupled to the storage medium to execute the programming instructions (column 3, lines 7-10; column 6, lines 65-67; column 7, lines 1-10)

As per claims 2 and 11, Jinzenji discloses the method and apparatus of claims 1 and 10, wherein said second back off interval is less in duration than said first back off interval (second delay time is less than the first delay time; column 4, lines 29-35).

As per claims 3 and 12, Jinzenji discloses the method and apparatus of claims 2 and 11, further comprising:

successively determining additional back off intervals upon each successful access of the shared resource by the client, each of said successive back off intervals being less in duration than each previous back off interval (column 7, lines 44-60).

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As per claims 4 and 13, Jinzenji discloses the method and apparatus of claims 1 and 10, wherein said second back off interval is determined independent of whether the shared resource is available (column 7, lines 10-23).

As per claims 5 and 14, Jinzenji discloses the method and apparatus of claims 1 and 10 wherein said attempting to access a shared resource comprises attempting to access a server device coupled to the client (a client server configuration; column 1, lines 16-26; column 5, lines 51-54).

As per claims 6 and 15, Jinzenji discloses the method and apparatus of claims 1 and 10, wherein said attempting to access a shared resource further comprises attempting to access a shared network (column 5, lines 45-51).

As per claim 21, Jinzenji discloses in a client, a method comprising:
detecting that a shared resource is unavailable (column 7, lines 24-29);
determining a first time period for the client to delay before attempting to access the shared resource (column 3, lines 1-16; column 6, lines 58-67; column 7, lines 1-10);
upon expiration of the first time period, determining a new first time period for the client to delay before attempting to access the shared resource if the shared resource remains unavailable (column 7, lines 29-41), and

determining a second time period for the client to delay before reattempting to access the shared resource after the successful access of the shared resource by the client (column 7, lines 10-23).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 7-9 and 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jinzenji et al. US Patent No. 6,032,189 in view of Mattaway et al US Patent No. 6,185,184. Mattaway discloses the invention substantially as claimed including a protocol for establishing real-time PPP (see abstract).

As per claims 7 and 16, Jinzenji discloses the method and apparatus of claims 6 and 15. Jinzenji does not disclose wherein said shared network further comprises an Ethernet network. Mattaway discloses an Ethernet network. See column 4, lines 35-45; column 17, lines 47-65. It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine an Ethernet network of Mattaway with the network of Jinzenji. A person of ordinary skill in the art would have been motivated to do this to provide a suitable transport for TCP/IP.

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As per claims 8 and 17, Jinzenji discloses the method and apparatus of claims 6 and 15. Jinzenji does not disclose wherein said shared network comprises a wireless network. Mattaway discloses a wireless network. See column 4, lines 35-45. It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine a wireless network of Mattaway with the network of Jinzenji. A person of ordinary skill in the art would have been motivated to do this to accommodate mobility.

As per claims 9 and 18, Jinzenji discloses the method and apparatus of claims 1 and 10. Jinzenji does not disclose wherein said shared resource comprises a data bus. Mattaway discloses the shared resource comprises a data bus. See column 12, lines 62-67; column 13, lines 1-33. It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine a data bus of Mattaway with the shared resource of Jinzenji. A person of ordinary skill in the art would have been motivated to do this establish real-time direct links.

Claim 19 rejected under 35 U.S.C. 103(a) as being unpatentable over Jinzenji et al. US Patent No. 6,032,189 in view of Hauser et al. US Patent No. 6,115,748. Hauser discloses a flow control system (see abstract).

Jinzenji discloses the apparatus of claim 10. Jinzenji does not disclose a counter to determine how many unsuccessful access attempts of the shared resource have been made by the client, wherein the counter value is not reset to zero upon the client successfully accessing the shared resource. Hauser discloses a counter determining access attempts and the counter is not reset to zero. See Figures 8A-8C and 9A-9C and respective portions of the specification. It

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would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the counters of Hauser with the attempts of Jinzenji. A person of ordinary skill in the art would have been motivated to do this to enable a server for transmission.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Seibold et al. US Patent Publication No. 2002/0052956

Shaffer et al. US Patent No. 6,411,601


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Uzma Alam whose telephone number is (703) 305-8420. The examiner can normally be reached on Monday-Tuesday 11:30am-8pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (703) 308 - 7562. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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ua



SALEH NAJJAR
PRIMARY EXAMINER